
**Plastics pipes and fittings —
Equipment for fusion jointing
polyethylene systems —**

**Part 2:
Electrofusion**

AMENDMENT 1

(standards.iteh.ai)

*Tubes et raccords en matières plastiques — Appareillage pour
l'assemblage par soudage des systèmes en polyéthylène —*

ISO 12176-2:2008/Amd 1:2021

Partie 2: Electro-soudage

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 4, *Plastics pipes and fittings for the supply of gaseous fuels*.

A list of all parts in the ISO 12176 series can be found on the ISO website.

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Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems —

Part 2: Electrofusion

AMENDMENT 1

Normative references

Add the following reference:

ISO 12176-5, *Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems — Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems*

5.4, last paragraph

Replace the paragraph with the following:

The connectors should be suitable for typical terminal connection to electrofusion fittings, as given in the relevant product standards, e.g. [ISO 4437:2008/Amd 1:2021](https://standards.iteh.ai/catalog/standards/sist/db8e5e55-9b39-4089-aa06-ef9a657f2f2b/iso-12176-2-2008-amd-1-2021)

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5.8, second paragraph

Replace the paragraph with the following:

Control units with a data recognition system shall be programmed to allow data processing:

- for fusion as specified in ISO 13950 and/or ISO 12176-5;
- for a traceability system as specified in ISO 12176-3 and ISO 12176-4 or ISO 12176-5.

5.9, subclause title

Replace the subclause title with the following:

5.9 Data retrieval and transmission

5.9.1, last sentence

Replace the sentence with the following:

Data shall be provided using common interfaces for data transfer.

5.9.3, *first and second paragraph*

Replace the two paragraphs with the following:

Units with data retrieval shall have a data interface to download or transmit the data stored in the memory to other electronic devices for further data processing, like display, analysis or storage.

The data transfer may take place automatically or by starting a software function by the operator.

A data retrieval unit shall provide the collected data in a standardized format in accordance with ISO 12176-5, directly or after a data post-processing process.

6.2, *subclause title*

Replace the subclause title with the following:

6.2 Fusion data input

6.2.2, *first paragraph*

Replace the paragraph with the following:

Control units provided with a system for automatic data input shall be able to process fusion data in accordance with ISO 13950 and/or ISO 12176-5.

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8.1

Replace

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“Shock level: 50 g m/s²”

with

“Shock level: 500 m/s²”

Bibliography

Replace the reference to ISO 8085-3 with the following:

[1] ISO 4437-3, *Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings*

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